

PATENT APPLICATION
Attorney Docket No.: 2000.006.00/US

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

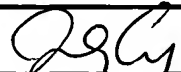
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT FORM PTO-1449 (Modified) (USE AS MANY SHEETS AS NECESSARY)				Application Number	14609185
				Filing Date	June 26, 2003
				First Named Inventor	Andrew E. Horch
				Art Unit	
				Examiner Name	
SHEET	1	OF	3	Attorney Docket Number	2000.006.00/US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code (if known)			
cn		US-6,350,656	02-26-02	Lin, et al.	
cn		US-6,346,449	02-12-02	Chang, et al	
cn		US-6,326,251	12-04-01	Gardner, et al	
cn		US-6,294,415	09-25-01	Tseng, et al	
cn		US-6,284,613	09-04-01	Subrahmanyam et al	
cn		US-6,261,935	07-17-01	See, et al	
cn		US-6,258,682	07-10-01	Tseng	
cn		US-6,242,785	06-05-01	Hossain, et al	
cn		US-6,187,619	02-13-01	Wu	
cn		US-6,124,177	09-26-00	Lin, et al	
cn		US-6,037,204	03-14-00	Chang, et al	
cn		US-6,030,863	02-29-00	Chang, et al	
cn		US-6,001,738	12-14-99	Lin, et al	
cn		US-5,989,950	11-23-99	Wu	
cn		US-5,982,017	11-9-99	Wu, et al	
cn		US-5,902,125	05-11-99	Wu	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ts
		Country Code 3-Number 4- Kind Code 5 (if known)				

Examiner Signature		Date Considered	9-01-04
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		Number- Kind Code (if known)			
Ch		US-5,891,771	04-06-99	Wu, et al	/
Ch		US-5,807,759	09-15-98	Naem, et al	
Ch		US-5,399,513	03-21-95	Liou, et al	
Ch		US-5,126,279	06-30-92	Roberts	
Ch		US-4,956,311	09-11-90	Liou, et al	
Ch		US-4,876,213	10-24-89	Pfiester	
Ch		US-6,462,359	10-08-02	Nemati et al.	
Ch		US-6,229,161	05-08-01	Nemati et al.	
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
an		MARK RODDER and D. YEAKLEY; <i>Raised Source/Drain MOSFET with Dual Sidewall Spacers</i> ; IEEE ELECTRON DEVICE LETTERS; March 1991; pp. 89-91; VOL. 12, NO. 3; IEEE	
an		HSIANG-JEN HUANG; <i>Improved Low Temperature Characteristics of P-Channel MOSFETs with Si_{1-x}Ge_x Raised Source and Drain</i> ; IEEE Transactions On Electron Devices, Vol. 48, No. 8, August 2001, pp. 1627-1632; 0018-9383(01)05680-5 2001 IEEE	
an		T. OHGURO; <i>High Performance RF Characteristics of Raised Gate/Source/Drain CMOS with Co Salicide</i> ; Symposium on VLSI Technology Digest of Technical Papers; 0-7803-4700-6/98 1998 IEEE	
an		YANG-KYU CHOI; <i>Nanoscale Ultrathin Body PMOSFETs With Raised Selective Germanium Source/Drain</i> ; IEEE ELECTRON DEVICE LETTERS; September 2001; Vol. 22, No. 9, pp. 447-448; 0741-3106(01)07740-0 2001 IEEE	
an		N. LINDERT; <i>Quasi-Planar FinFETs with Selectively Grown Germanium Raised Source/Drain</i> ; 2001 IEEE International SOI Conference; 10/01; pp. 111-112; 0-7803-6739-1/01 2001 IEEE	
an		K. DE MEYER; <i>Raised Source/Drains with Disposable Spacers for Sub 100 nm CMOS Technologies</i> ; Extended Abstracts of International Workshop on Junction Technology 2001; pp. 87-90; ISBN 4-89114-019-4/020-8; 2001 Japan Society of Applied Physics	

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